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Wright State University College of Engineering and Computer Science

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BITS & PCs

COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

September 2001

Wright State University Dayton, Ohio 45435

Vol. 18 No. 1

Important Dates

September 12
First day of classes, Fall Quarter

September 13
CECS Welcome Back to School Carnival

September 18
Last day to register or add classes

September 27
Late registration/add fee of \$100 begins

October 2
Last day to drop a class without a record of "W"

October 16
Last day for all but freshmen to drop a class with a grade of "W"

October 24
CECS Club Fair

November 6
Last day for freshmen to drop a class with a grade of "W"

November 12
NO CLASSES—
Veteran's Day

November 20
Last day of classes, Fall Quarter

November 21-25
NO CLASSES—
Thanksgiving Holiday

November 26-December 1
Final Exam Week

December 1
Fall Commencement

2001 College of Engineering Faculty Excellence Awards

Each year, the College of Engineering and Computer Science Faculty Development Committee selects outstanding faculty based on nominations by their colleagues. For the 2000-2001 academic year, the committee awarded an Outstanding Faculty Member Award, an Outstanding Lecturer Award, an Excellence in Research Award and an Excellence in Professional Service Award. These awards and many more were presented at the Annual CECS Awards and Recognition Ceremony, which was held on June 8, 2001 in the Student Union Multipurpose Room.

OUTSTANDING FACULTY MEMBER AWARD



Mitch Wolff is the 2001 winner of the Outstanding Faculty Member Award. Dr. Wolff is an Assistant Professor in the Department of Mechanical and Materials Engineering. He received his bachelor's, master's and Ph.D. in Mechanical Engineering from Purdue University in 1983, 1989, and 1995, respectively. While a graduate student, Dr. Wolff received an Air Force Research in Aero-Propulsion Technology (AFRAPT) Fellowship. As part of the fellowship, he worked several summers at Garrett Turbine Engine Company (now Allied Signal Aerospace) in Phoenix, Arizona.

Dr. Wolff also worked as a Fluid Mechanics Development Engineer with the Dean Pump Company in Indianapolis, Indiana, prior to entering graduate school. He joined the Wright State University faculty in September of 1995 as an assistant professor of mechanical engineering. He has authored numerous technical papers and journal articles in the areas of propulsion and computational methods.

Dr. Wolff's current research interests include propulsion, turbo machinery, computational fluid dynamics, unsteady aerodynamics, instrumentation and flow measurement, forced response, aeromechanical design and test systems, separated flows, and wake modeling. He has participated in the AFOSR summer faculty program as a visiting scientist with the Aero Propulsion and Power Directorate, Compressor Aero Research Laboratory, Wright-Patterson Air Force Base. Dr. Wolff is a member of the Forced Response and Aeromechanical Action Teams, which are part of the National Turbine Engine High Cycle

Continued on Page 3

Hangartner Selected as Brage Golding Distinguished Professor of Research

Dr. Thomas Hangartner, Professor in the Department of Biomedical, Industrial, and Human Factors Engineering, has been selected as the the Brage Golding Distinguished Professor of Research. Nominees for the Distinguished Professor of Research must have produced a significant body of work in scholarship, research, or the creative arts, which brings distinction to the University and national or international recognition to the faculty member. This honor is awarded only once, for a three-year period, and carries an annual cash award and a grant for professional development.

Dr. Hangartner, a native of Switzerland, earned his Dr. sc. nat. from the Swiss Federal Institute of Technology, Zurich, in 1978. Previous positions held include a research associate, Swiss Federal Institute of Technology and an assistant and associate professor of physics at the University of Alberta in Edmonton, Canada. Awards Dr. Hangartner has received include: three AHFMR (Alberta Heritage Foundation for Medical Research) scholarships from January 1, 1981 through June 1991, Outstanding Faculty Member Award from the College of Engineering and Computer Science in 1993, Outstanding Engineer and Scientist Award from the Engineering and Science Foundation of Dayton in 1995, the Presidential Award for Faculty Excellence in Research at WSU in 1995, as well as several others.

Dr. Hangartner has been a leader within the department, college, and university through his teaching, research, and service to the Miami Valley region. He has been a member and often chair of many committees ranging from teaching, graduate studies, administrative review, curriculum, faculty development, and program coordination. He is also the director of the BioMedical Imaging Laboratory, which is located at Miami Valley Hospital

He is a member of the American Association of Physicists in Medicine (AAPM), the American Institute of Physics, the New York Academy of Science, and the founding chair of the Miami Valley Osteoporosis Society. The AAPM elected him as a fellow and conferred this award to him this past July.

His publications reflect research interests in the development of non-invasive methods for the quantitative measurement of bone density as well as in the application of these methods to clinical problems, predominantly osteoporosis. Since September of 1979, Dr. Hangartner has been awarded in excess of \$10 million in research funding.

The College of Engineering and Computer Science would like to congratulate Dr. Hangartner for being honored with this prestigious award.

Assistant Dean Clark Beck Creates Wright STEPP Scholarship



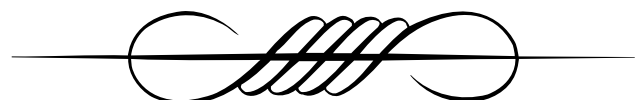
Clark Beck, founder of the Wright STEPP program, and current Assistant Dean in the College of Engineering and Computer Science, announced the creation of a scholarship to assist the Wright STEPP program. The

Clark Beck – Wright STEPP Scholarship will be available to Wright STEPP graduates enrolled at Wright State who need one year more than the four guaranteed to them by the program.

The scholarship is being funded by a seed donation from Clark Beck and additional donations are coming from companies, friends of the program, and interested faculty and staff.

“I want this scholarship to help Wright STEPP students graduate from the college. Some need just a little more time, and this scholarship will help them with that,” said Beck when creating the scholarship.

The scholarship, when fully funded, will have about \$1,000 available to the students who qualify and will be divided between the three quarters they are enrolled in the college. To donate to the scholarship, contact Jay Davenport, Director of Development in the College of Engineering and Computer Science, at (937) 775-5159 or via email at jdaven@cs.wright.edu.



2001 College of Engineering Faculty Excellence Awards — Continued

Fatigue Science and Technology Program. He is a member of the American Society of Mechanical Engineers, the American Institute for Aeronautics and Astronautics, the Society of Automotive Engineers, and the American Society for Engineering Education.

OUTSTANDING LECTURER AWARD



Daniel Spiegel is the winner of this year's Outstanding Lecturer Award. Mr. Spiegel is an Instructor and Undergraduate Curriculum Advisor in the Department of Computer Science and Engineering.

He received his bachelor's and master's degrees in Mathematics from The Ohio State University in 1982 and 1987, respectively. He joined the Department of Computer Science and Engineering in June of 1992 and divides his time between teaching introductory and upper-level courses as well as advising undergraduate students. He is currently a Ph.D. student within the department.

Before coming to Wright State, he was an instructor in the computer science departments at Ohio University and Hocking Technical College.

EXCELLENCE IN RESEARCH AWARD

Francis Quek is this year's winner of the Excellence in Research Award. Dr. Quek is an Associate Professor in the Department of Computer Science and Engineering.

In 1984, Dr. Quek received both his B.S.E. and M.S.E. in electrical engineering from the University of Michigan. He completed his Ph.D. in Computer Science and Engineering in 1990 from the University of Michigan as well. He also received a Technician's Diploma in Electronics and Communications Engineering from Singapore Polytechnic in 1978 and briefly attended Oregon State University in 1982.

Dr. Quek's formal affiliations include the University of Illinois at Chicago, the University of Michigan Artificial Intelligence Laboratory, the Environmental Research Institute of Michigan and the Hewlett-Packard Human Input Division.

He is the director of the Vision Interfaces and Systems Laboratory, which he established for computer vision, medical imaging, vision-based interaction, and human-computer interaction research. He performs research in multimodal verbal/non-verbal interaction, vision-based interaction, facial modeling, multimedia databases, medical imaging, collaboration technology, computer vision, human computer interaction, and computer graphics.

Dr. Quek is the Principal Investigator of several prestigious National Science Foundation grants in gesture, speech, and gaze research and P.I. of a Whitaker Foundation grant in neurovascular extraction in medical brain images. He leads a team of researchers in a multi-million dollar National Science Foundation project spanning multiple-disciplines, institutions, and countries to understand the communicative realities of multimodal interaction. He is also Principal Investigator on an NSF/STIMULATE grant. Dr. Quek is a member of the Institute of Electrical and Electronics Engineers and the Association for Computing Machinery.

EXCELLENCE IN PROFESSIONAL SERVICE

The 2001 winner of the Excellence in Professional Service Award is Dr. Thomas Sudkamp. Dr. Sudkamp is a Professor in the Department of Computer Science and Engineering.



Dr. Sudkamp received a bachelor's degree in Mathematics from the University of Wisconsin at Madison in 1974, and his master's degree and Ph.D. in Mathematics from the University of Notre Dame, in 1976 and 1978, respectively. Dr. Sudkamp also earned a master's degree in Computer Science from Wright State University in 1983.

Dr. Sudkamp's current research interests are in automated reasoning with particular emphasis on heuristic search strategies, representation and propagation of evidential support, fuzzy set theory, and approximate reasoning. He has published papers in both mathematical logic and computer science. Dr. Sudkamp has previously held positions at the University of Notre Dame and in industrial research and development organizations.

Continued on Page 4

2001 College of Engineering Faculty Excellence Awards — Continued

Teaching Effectiveness Awards

Each year, the Teaching Effectiveness Awards Committee requests student nominations for faculty whom they feel have done an outstanding job of effectively communicating material and stimulating interest in their courses. This year the students nominated for Excellence in Teaching, Excellence in Teaching Assistance, and for the first time this year, Excellence in Adjunct Teaching.

The top five nominees for the 2001 Excellence in Teaching Award are:

- **Dr. Blair Rowley, BIE**
- **Dr. Michael Raymer, CSE**
- **Dr. Mateen Rizki, CSE**
- **Dr. Marian Kazimierczuk, EE**
- **Dr. Nathan Klingbeil, ME**



The winner of the 2001 Excellence in Teaching Award is Dr. Marian Kazimierczuk a Professor in the Department of Electrical Engineering.



Dr. Kazimierczuk was nominated primarily by students in EE 431, Electronic Circuits, and EE 444, Linear Integrated Circuits. The one reason that many of Dr. Kazimierczuk's students

felt he deserved this award was due to the fact that he "encouraged independent thinking" and because he "provides the students with excellent notes of tough concepts making them easier to understand." He "shows his students not only his immense amount of knowledge, but he also shows his students that he cares."

Dr. Kazimierczuk received his M.S., Ph.D., and Doctorate of Science degrees in Electrical Engineering

from the Technical University of Warsaw, Poland, in 1972, 1978, and 1984, respectively. His doctoral dissertation in the area of radio frequency power circuits was titled "High-efficiency Tuned Power Transistor Amplifier." While at the Technical University of Warsaw, Dr. Kazimierczuk served as a research and teaching assistant and from 1978 to 1984 served as an assistant professor. In 1984, he joined Design Automation, Inc. located in Lexington, Mass., as a project engineer and from 1984 to 1985 he served as a visiting professor at Virginia Polytechnic Institute and State University, Blacksburg, Virginia. Dr. Kazimierczuk joined the electrical engineering faculty at Wright State University in 1985 where he was an assistant professor from 1985 to 1990 and an associate professor from 1990 to 1994. His research interests include radio frequency power circuits, power electronics, DC-AC resonant inverters, resonant rectifiers, DC-DC pulse width modulated and resonant power converters, tuned power amplifiers and oscillators, high-efficiency lighting systems, and electronic ballasts. He has published more than 130 papers on these subjects in professional journals, and, as principal investigator, received over \$300,000 in external funding including grants and contracts from the National Science Foundation, the state of Ohio, and the U.S. Air Force. In 1991, Dr. Kazimierczuk received the IEEE Harrell V. Noble Award for his contributions to the fields of aerospace, industrial and power electronics. He was also a recipient of the 1991 Presidential Award for Faculty Excellence in Research from Wright State University, the 1993 Excellence in Teaching Award from the College of Engineering and Computer Science, and the 1995 Presidential Award for Outstanding Faculty Member. He serves as an associate editor for the IEEE Transactions in Circuits and Systems, Part I, and the *Journal of Circuits, Systems and Computers*.

EXCELLENCE IN ADJUNCT TEACHING

Dave Kender is the 2001 recipient of the Excellence in Adjunct Teaching.

Mr. Kender has served as an Adjunct Instructor for the Department of Bio-medical, Industrial and Human Factors Engineering in the College of Engineering and Computer



Continued on Page 6

FACULTY

A C T S

Thomas Bazzoli, ECS, has received funding in the amount of \$39,064 from Ohio University for a proposal entitled "Collaborative Engineering Graduate Education Over Interactive Video Network."

Michael Cox, Ph.D., CSE, has received additional funding in the amount of \$70,341 from the University of Connecticut for his proposal entitled "Large-Scale, Multi-Agent, Distributed Missions Planning and Execution in Complex Dynamic Environment."

Travis Doom, Ph.D., CSE, Michael Raymer, Ph.D., CSE, and Dan Krane, Ph.D., Biology, have just received a National Science Foundation (NSF) grant for \$552,000 for three years to initiate an undergraduate option in Bioinformatics within the Computer Science program. Dr. Raymer has also been invited to participate in a panel on innovative undergraduate programs among NSF researchers.

Oscar Garcia, Ph.D., CSE, attended the quarterly Region 4 Advisory Board Meeting on Friday, June 8, 2001, hosted by Ralph Harper, Greene County Commissioner and Anthony Whitmore, Governor's Regional Director. Dr. Garcia gave an overview of the current research being conducted by the Department of Computer Science and Engineering and the Information Technology Research Institute (ITRI). In addition, Dr. Garcia spoke at the June 14 meeting of the ITEC-Ohio in Columbus on "The Ohio Plan: Past, Present and Future." ITEC-Ohio is the Internet2 Evaluation Center in Ohio, which conducts evaluations of new network technologies for the Internet2. He was also the luncheon speaker at the monthly meeting of the Engineers Club of Dayton on June 19. He spoke on the subject of "Information Technology in Ohio and at Wright State University."

Oscar Garcia, Ph.D., CSE and Nikolaos Bourbakis, Ph.D., ITRI, have received \$207,209 in additional funding from the Ohio Board of Regents for their proposal entitled "Priorities in Graduate Education."

Thomas Hangartner, Ph.D., BIE, has received additional funding from Procter and Gamble in the amount of \$50,308 for his proposal entitled "Evaluation of a Novel Treatment for Osteoarthritis of the Knee." Dr. Hangartner was also recently inducted as a Fellow of the American Association of Physicists in Medicine (AAPM) at their annual meeting in Salt Lake City on July 23, 2001. This honor is given to members of the Association who "exerted a significant impact upon the scientific practice of medical physics." The award guidelines further state: "This award recognizes an AAPM member for a distinguished career in medical physics."

Jack Jean, Ph.D., CSE, has received \$103,054 in funding from Systran Corporation for a proposal entitled "Handheld One-Way Voice Communication System."

Sharmila Mukhopadhyay, Ph.D., ME, has received funding from Universal Energy Systems, Inc. in the amount of \$17,160 for her proposal entitled "Characterization of Thin Film Superconductors." She also received funding in the amount of \$64,000 from Procter and Gamble for a proposal entitled "Characterization of Thin Film Surfaces Using XPS."

Sundaram Narayanan, Ph.D., BIE, has received funding in the amount of \$3,000 from the Dayton Area Graduate Studies Institute (DAGSI) for his proposal entitled "Hybrid Modeling Methods for Logistics Readiness."

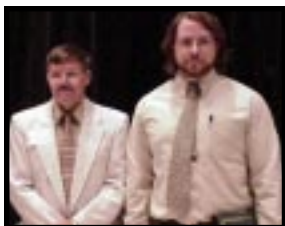
Raymond Siferd, Ph.D., EE, has received \$157,744 in funding from Systran Corporation for his proposal entitled "High Speed/Resolution Delta Sigma Analog-to-Digital Converters." He also received \$33,000 from Systran for another proposal entitled "Analog-to-Digital Converter Development."

J. Mitch Wolff, Ph.D., ME, has received funding from the National Aeronautics and Space Administration (NASA) in the amount of \$14,842 for a proposal entitled "Dynamic Calibration of Pressure Sensors at Elevated Temperatures."

2001 College of Engineering Faculty Excellence Awards — Continued

Science since 1997. He has taught at Wright State University since 1992 for both the College of Science and Mathematics, as well as the College of Education and Human Services. He received his Bachelor of Science in Education with a focus on Mathematics from Miami University, a Bachelor of Science in Electrical Engineering from the Air Force Institute of Technology, and a Master of Education in Educational Technology and a Master of Science in Human Factors Engineering from Wright State University. Before joining the faculty at Wright State, Mr. Kender completed a 24-year career with the United States Air Force. Mr. Kender was twice recognized by Clark State Community College with the Adjunct Faculty Award for Professional Excellence. He also received a Merit Award from the Johns Hopkins National Search for Computing to Assist Persons with Disabilities. He is a member of the International Society for Technology in Education and the Honor Society of Phi Kappa Phi.

EXCELLENCE IN TEACHING ASSISTANCE



The 2001 winner of the Excellence in Teaching Assistance Award is Gregory Helm, a Master's student in the Computer Engineering program.

Greg received his bachelor's of science in Electrical Engineering from the University of Dayton in 1993. Between 1993 and 2000, Greg worked in industry as a Design Engineer. In the spring of 2000, he began his pursuit for a Master's degree in Computer Engineering. In addition to being a graduate student, Greg also works as a part-time consultant in computer engineering and design electronics.

Greg received his nominations from students taking CEG 360/560 & EE 451/651, Digital Systems Design. This class is an extremely hands-on, lab-oriented course with students typically spending between seven and twelve hours per week in the lab. Greg's exceptional ability to communicate complex information to the students is a great asset to the course. Greg's own experiences have allowed him to provide pertinent explanations to assist the students with their lab assignments.

Perhaps, the most important quality, which prompted students to nominate him for this award

was his availability. Greg was always available to help students no matter what the time of day. He went to great lengths to help students who were willing to help themselves, which contributed to making the labs a worthwhile experience for all.

The College of Engineering and Computer Science would like to extend its congratulations to all of our outstanding faculty and staff members and relay its appreciation for all that they do to help make this college a success.

Congratulations!

Fall Quarter 2001 On-Campus Interviews

Students interested in scheduling interviews should begin by uploading their resume electronically in *The Wright Search*. Students must view an orientation presentation in Career Services, E334 Student Union, during office hours to have access to *The Wright Search*. A schedule of employers participating in on-campus interviewing is listed below.

<u>Employer</u>	<u>Title</u>	<u>Date</u>
U.S. Air Force	CEG, EE	Oct. 9
A.O. Smith	EE, ME, Mat. Sci.	Oct. 10
Harris Corp.	EE	Oct. 11
NCR Corp.	Software Engineer	Oct. 15
Goodrich Corp.	Engineering Trainee	Oct. 16
Ethicon Endo Surgery	BME, ME, EE Co-Ops	Oct. 16
Belden Wire & Cable	EE Intern	Oct. 17
General Electric	Information Mgmt.	Oct. 17
National City Corp.	Mgmt. Development	Oct. 17
Federal Comm. System	EE	Nov. 6
Fifth Third Bank	Systems Analyst	Nov. 8
Lincoln Electric	Staff Engineers & Tech Sales Rep	Nov. 8

Career Services is also hosting a career fair on Wednesday, October 3, 2001 in the Student Union Multipurpose Room.

For more information on the career fair or on-campus interviewing, please visit the Career Services web site at <http://career.wright.edu> or contact them by phone at (937) 775-2556.

SCHOLARSHIPS AND FELLOWSHIPS

The Hispanic Scholarship Fund is currently accepting applications from undergraduate and graduate students. Applicants must:

- Be of Hispanic background
(one parent must be fully Hispanic or both parents must be half Hispanic)
- Be a U.S. citizen or legal permanent resident
- Have a minimum grade point average of 2.7 on a 4.0 scale
- Be attending an accredited U.S. college full-time for the full academic year

Scholarships would consist of \$1,000 to \$3,000 awards which would be distributed in Spring 2002. Interested students can download an application through October 9th at www.hsf.net or an application can be picked up from the CECS Dean's Office, 405 Russ. The application postmark deadline is Monday, October 15, 2001.

The National Physical Science Consortium (NPSC)

is accepting applications for their six-year doctoral fellowship program for eligible U.S. citizens in the physical sciences and related engineering fields. Each fellowship is worth from \$156,000 up to \$200,000. The fellowships feature:

- Paid tuition and fees plus a substantial stipend for each academic year at nationally recognized universities throughout the U.S.
- Paid summer employment and technical experience from leading national employers in the U.S. for at least two years
- Mentors on campus and at the worksite
- A long term commitment to each qualifying fellow up to six years

NPSC welcomes applications from all qualified students with recruitment emphasis on underrepresented minorities: African American, Hispanic, Native American Indian, Eskimo, Aleut, Pacific Islander (Polynesian), and/or female. Applicants must:

- Be a U.S. citizen
- Be in your senior year with at least a 3.0 GPA in a 4 point system, OR Be in your final year of a master's from a non-Ph.D. granting institution, OR Be in your first year of graduate school pursuing a doctoral degree.
- Be eligible to pursue graduate study at a participating NPSC member institution

Applications are available on the Internet through the NPSC Web Site at <http://www.npsc.org>. Completed application packages are due no later than November 5, 2001. Questions should be directed to the NPSC Student Recruitment Office at 1-800-952-4118 or via their web site listed above.



National Society of Black Engineers

Open to all students majoring in engineering, computer science, or MIS.

Mission: To increase the number of culturally responsible black engineers who excel academically, succeed professionally and positively impact the community.

First Informational Meeting:
Wednesday, Sept. 12
7:30 PM
E156 Student Union

NSBE offers monthly workshops, trips to Detroit, MI and Orlando, FL, study groups for most courses, and the opportunity to make lots of friends and have loads of fun.

For more information contact Gene Smith, Jr. at: wsu1914@hotmail.com.

BITs & PCs

College of Engineering and Computer Science
Wright State University



Dean

James E. Brandeberry, Ph.D., P.E.

Editor

Jenny Garringer

BITs & PCs is a monthly newsletter published by the College of Engineering and Computer Science to inform students about activities, news, opportunities and changes occurring in the College. It reports on the achievements of faculty and students; changes in organization, policy and curriculum; scholarship and employment opportunities; and engineering and computer science student club activities.

The current issue of *BITs & PCs* is available on the Web at <http://www.cs.wright.edu/bitsandpcs/>. Copies are also available in the College office, any Department office, literature racks in the Russ Center Atrium, Russ Center Study Lounge, or the Student Club Room.

The next issue of *BITs & PCs* will be published the week of October 1, 2001. To submit items for this issue, call the College of Engineering and Computer Science at (937) 775-5001, or send email to jgarringer@cs.wright.edu by September 19, 2001. The College of Engineering and Computer Science reserves the right to edit all material for publication.



Spring 2001 Dean's List



BIOMEDICAL ENGINEERING

Amy Bierce	High Honors
Joseph Blake	Highest Honors
Sarah Brugger	Highest Honors
Julia Cecil	Highest Honors
Sharon Dillhoff	Highest Honors
Douglas Fisher	High Honors
Adam Fournier	High Honors
Christy Harm	Highest Honors
Erica Johnson	Highest Honors
Michael Kahelin	Highest Honors
Maria Kahle	Highest Honors
Rachel Kinsler	Honors
Harvey Lewis	Highest Honors
Hilary Nelson	High Honors
Travis Pelo	Highest Honors
Anthony Polito, III	Honors
Adam Renner	Highest Honors
Matthew Roberts	High Honors
Daniel Roode	Honors
Michael Rueschman	Honors
Anthony Sabatini	Honors
Ed Sims	High Honors
Erin Tewksbury	Highest Honors
David Walker	Honors
Jenna Warman	Highest Honors
Kristina Weaver	Highest Honors
Catherine Zelnio	Honors

COMPUTER ENGINEERING

Paul Anderson	Highest Honors
Chad Apple	High Honors
William Archer	Highest Honors
Peter Buxa	Highest Honors
Adam Ewing	Honors
Matthew Gerald	High Honors
Jason Gilder	Highest Honors
Eric Hamilton	High Honors
Allen Hena	Honors
Tamanna Husain	High Honors
Justin Moore	High Honors
Michael Peterson	Highest Honors
Brian Potchik	Highest Honors
Roy Price	Honors
Gregory Stall	High Honors
Kip Streithorst	Highest Honors
Jason Wright	Highest Honors

COMPUTER SCIENCE

Jeremy Barfell	Honors
Curtis Beard	High Honors
Brian Benning	Honors
Kevin Bonifas	High Honors
Eric Brenner	Honors
Terry Dolwick Jr.	Highest Honors
William Etienne	Highest Honors
Lindsay Ferguson	Honors
Alan Frazier	High Honors
Rodney Hepfner	High Honors
Peter Holm	Honors
David Johnson	Highest Honors

Joshua Kennel
Jonathan Kiner
Brannon Laybourn
David Light
Mitchell Oliver
Christina Price
Joshua Rice
Hui Rong Wu
Rania Sahawneh
Melaka Senadeera
Charles Wilt

ELECTRICAL ENGINEERING

Navid Baraty	Highest Honors
Michael Bistline	Honors
Jerry Burns	Honors
Casey Canan	Highest Honors
Matthew Casto	Highest Honors
Dale Cull	Highest Honors
Adam Dickson	High Honors
Ben Douglas	Highest Honors
Matthew Floyd	Highest Honors
Robert Gillen	Highest Honors
Benjamin Henney	High Honors
Boris Holowko	Honors
Julie Jackson	Highest Honors
Ya Li	High Honors
Jason McCullough	High Honors
Paul McDowell	High Honors
Lee Patton	Honors
Carrie Stallard	High Honors
James Thompson	Highest Honors

ENGINEERING PHYSICS

Douglas Glass	Honors
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HUMAN FACTORS ENGINEERING

Janet Bensman	High Honors
Sara Johnson	Honors
Jennifer Stowe	High Honors
Kelly Treat	Honors

INDUSTRIAL & SYSTEMS ENGINEERING

Danielle Calabrese	Highest Honors
Amanda Campbell	High Honors
Elizabeth Chadwell	High Honors
Emily Kempfer	High Honors
Candace Lanning	Honors
Robin Miller	Honors
Joseph Nagy	High Honors
Daniel Stefan	Honors

MATERIAL SCIENCE & ENGINEERING

Gary Barr	High Honors
Lisa Douglas	Highest Honors
Sean Gleeson	Honors
Joshua James	High Honors
Joseph Kell	Highest Honors
Jacob Lawson	Highest Honors
Robert Reuter	Honors
Erik Ripberger	Honors

Highest Honors
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Honors
Honors
Highest Honors
High Honors

John Welter
Travis Wyen

MECHANICAL ENGINEERING

Kevin Brown	Highest Honors
Joshua Burger	High Honors
Jeremy Buxton	Honors
Jeremy Daily	Highest Honors
Steven Dooley	Highest Honors
Andrew Fleming	Highest Honors
David Gerschutz	Highest Honors
Rachel Gligorich	Highest Honors
Amy Goldschmidt	High Honors
Brendhan Goss	High Honors
Jeff Haferd	Honors
Clyde Ham	Honors
Michael Harff	High Honors
John Iddings	High Honors
Brian Koesters	High Honors
Bunnyray Larmond	Honors
Joel Lauer	Highest Honors
Travis Michalak	Highest Honors
Edward Morris	Highest Honors
Zachary Osborn	Honors
Gregory Palm	High Honors
Brad Pollock	Honors
Aaron Powell	High Honors
Stephanie Puterbaugh	Highest Honors
Shawn Riley	High Honors
Jason Robinson	Honors
Jason Ruge	High Honors
Timothy Sarka	Honors
Oleg Shiryayev	Highest Honors
Kristen Shiverdecker	Honors
Joshua Szarek	Honors
Lawrence Thomas	Highest Honors
Shawn Uhlenhake	High Honors
Gregory Updike	High Honors
Justin Van Horn	Honors
Wesley Ward	Highest Honors

PRE-COMPUTER ENGINEERING

Luke McKellar	High Honors
Russel Block	Highest Honors
Toni Larson	High Honors
Michelle Smith	Highest Honors

PRE-COMPUTER SCIENCE

Robert Beaver	High Honors
John Berberich	Honors
Thomas Boehnlein	Honors
Kristopher Collins	Highest Honors
Joseph Kirby	Highest Honors
Brian Mullins	Honors
Thomas Patterson	Honors
Adam Shultz	Honors
Hetal Thakkar	Highest Honors
John Tobe	High Honors
Christopher Ward	High Honors



Spring 2001 Dean's List

Continued



PRE-ELECTRICAL ENGINEERING

Eric Elchert	Honors
Christopher McDermott	Highest Honors
Ryan McGinnis	Highest Honors
Ghesu Ndefru	Highest Honors
Jacob Plasters	Honors
Daniel Wells	High Honors

PRE-ENGINEERING PHYSICS

Dean Brown	Highest Honors
Weston Earick	Honors
Daniel Lemaster	Highest Honors

PRE-MECHANICAL ENGINEERING

Todd Benazer	Highest Honors
Mark Brooks	High Honors

UNIVERSITY COLLEGE

Mohammad Ali	High Honors
Bradley A. Billheimer	Highest Honors
Kevin M. Bohman	Honors
Justin C. Bohrer	Highest Honors
Eric M. Bond	Honors
Andrew P. Brackman	Highest Honors
Joshua R. Bradbury	Highest Honors
Clifton J. Bullmaster	Highest Honors
Douglas J. Charavay	High Honors
Lisa M. Denson	Highest Honors
Dustin M. Deweese	Highest Honors
Kenneth L. Eber	Highest Honors
Ilya Figotin	Highest Honors
Ben J. Gerlach	Honors
Trunali Grissom	High Honors

Samual T. Haschke	High Honors
Joan A. Henley	High Honors
Michael T. James	Honors
Brian A. Kovacs	Highest Honors
Jason R. Kremer	High Honors
Carmelo J. Lamancusa	Highest Honors
Jeffrey S. Laubenthal	High Honors
Brian W. McRaven	Highest Honors
Herbert M. Mullens	Honors
Faridal Motalib	High Honors
Noah F. Niekamp	High Honors
Anthony B. Polito, III	Honors
Dasha Semenova	Highest Honors
Parag Sharma	Highest Honors
John C. Spencer	Highest Honors
Dan A. Taphorn	High Honors

Fall 2001 Courses Require "Instructor Permission"

The following courses have been approved by the colleges to be designated "Instructor Permission Required After Term Begins" in the Fall 2001 class schedule. CECS students should be aware of this requirement when registering for courses within other colleges.

CEHS, Education and Human Services

EDT 110

COBA, Raj Soin College of Business

EC 523

MBA 741, 751, 753, 761, 762, 771, 783

MGT 300, 422, 424, 491, 492

MKT 302, 492

CONH, Nursing and Health

NUR 218, 324, 421, 422, 424

COSM, Science and Mathematics

MTH 102, 126, 127, 128, 129, 130, 131,

143, 145, 228, 229, 230, 231, 232, 233,

243, 244, 253, 255, 257

STT 160, 264, 265

UC, University College

DEV 071, 072, 073, 081, 082, 083, 091,

092, 093

UVC 100

If you have any questions, please contact the Office of the Registrar at (937) 775-5588.

ATTENTION:

Students ~ Faculty ~ Staff

The College of Engineering and Computer Science
Welcomes You to the 2001-2002 School Year!

Welcome Back to School Carnival

Thursday, September 13, 2001

Lobby of the Russ Engineering Center

10:30 AM - Noon

Play games and win prizes
Enjoy refreshments
& register for door prizes

The Department of Electrical Engineering

invites all current and incoming
Electrical Engineering
and Engineering Physics students
to join them for FREE ice cream on



Thursday, September 13, 2001

142 Russ Engineering Center

12:15 PM - 3:00 PM



Students must bring the invitation
they received in the mail for admittance!

Lockheed Martin Presents Check for Scholarship



The Lockheed Martin Corporation presented Dean Brandeberry with a donation of \$3,500 to be used to fund the Lockheed Martin Scholarship. The scholarship is awarded each year to a Junior or Senior majoring in electrical, mechanical, materials, computer engineering or computer science. To date, Lockheed Martin has donated over \$13,500 to the College of Engineering.

“Our company is committed to educating the next generation of engineers. So I am proud to present this check to Wright State University,” said Dennis Tomlinson, Director of Operations in Dayton.

The Lockheed Martin Scholarship is one of twenty scholarships available to upperclassmen engineering and computer science students.

Lockheed Martin is a customer focused, global enterprise principally engaged in the research, design, development, manufacture and integration of advanced technology systems, products, and services for government and commercial customers.

A.A.S. Awwal Elected SPIE Fellow

The International Society for Optical Engineering honored 27 new Fellows of the Society at its 46th Annual Meeting in San Diego, California. Fellows are members of distinction who have made significant scientific and technical contributions in fields of optics, photonics, and imaging.

“The annual recognition of Fellows provides an opportunity for us to acknowledge outstanding members for their service to the general optics community,” said Richard B. Hoove, SPIE President.

The Fellows Committee selected Abdul Ahad S. Awwal to be honored along with other award winners at a banquet on August 1, 2001. Each new Fellow joins a prestigious list of over 390 SPIE members so honored for their contribution to the discipline since the Society's inception in 1955.

Dr. Awwal, Department of Computer Science and Engineering, was selected due to his significant achievements in optoelectronic computing, electro-optic displays, and optical system design. Dr. Awwal developed a methodology for optoelectronic computing system design consisting of a polarization encoded optical systems design algorithm. He has also introduced several parallel ultrafast computing techniques. He devised a metric, called dynamic MTF, for restoration of dynamically degraded images. He is the author of more than 140 articles, a textbook on optical computing, and two book chapters. He received the distinguished teaching award in 1996 from Wright State. Dr. Awwal is a member of many organizations including SPIE, OSA, the American Institute of Physics, and IEEE and has actively participated in organizing conferences and symposia.

Plagiarism Detection Service Available for Faculty Beginning Fall 2001

The Office of the Provost recently agreed to fund a plagiarism detection service, Turnitin.com, for all Wright State faculty beginning Fall 2001.

Turnitin.com is a company in its 5th year of development that uses powerful algorithms and search robots to locate possible matches of information taken from the Internet. Additionally, submitted papers are then cross referenced against over 100,000 Internet documents contained within their in-house database. Every paper submitted for detection is then entered into the database which results in a continual increase of papers to check against.

This software program can be used to compare student papers with all papers previously submitted for the class as well as all sources available online. Turnitin.com then affirms the paper's originality or gives the source of the plagiarism. This program is being used to act as a deterrent to students to not cheat.

Bursar and Registrar Announce New Registration and Backout Policy

Policy changes effective Fall Quarter 2001 include:

- Only one backout/cancellation will occur each quarter. This one backout will occur for students who have registered during Early Registration and who have not paid their fees. For students who register during Open Registration no backout will occur; students are responsible for paying their fees or taking action to cancel their registration.
- A late registration fee/late add fee of \$100 will begin the sixteenth calendar day of each quarter, increasing by \$25 per week up to a maximum of \$250.
- A late payment fee of \$100 will be assessed for student accounts with outstanding balances; this is assessed approximately thirty days into each quarter, coinciding with the SIPP 2 late assessment date (Student Installment Payment Plan). Also, a hold will be placed on the student's account, which will prevent the student from registering or adding any classes until the hold is removed.

Fall Quarter 2001 – September 12 to December 1

Early registration: April 28 to August 10

Open registration: August 11 to September 18

Late registration/add fee of \$100 begins: September 27

Late payment fee of \$100: October 12

Winter Quarter 2002 – January 2 to March 16

Early registration: October 20 to November 21

Open registration: November 26 to January 8

Late registration/add fee of \$100 begins: January 17

Late payment fee of \$100: January 25

Spring Quarter 2002 – March 25 to June 8

Early registration: January 26 to February 22

Open registration: February 23 to March 29

Late registration/add fee of \$100 begins: April 9

Late payment fee of \$100: April 26

Summer Quarter 2002 – June 10 to August 15

A Term: June 10 to July 11

B Term: July 15 to August 15

C Term: June 10 to August 15

Early registration: April 6 to May 17

Open registration: May 18 to June 14

Late registration/add fee of \$100 begins for A & C Term: June 25

Late registration/add fee of \$100 begins for B Term: July 30

Late payment fee of \$100: July 5

For more information contact, the Office of the Bursar (x5650) or the Office of the Registrar (x5588).

**The
Dayton Chapter of the
Ohio Contractors Association
invites you to participate in their annual
Constructor For A Day Program**

**September 27th
8:00 AM**

The day will include site tours of heavy and highway construction projects in the greater Dayton area, as well as a visit to a working asphalt or concrete plant and an engineering/design consulting firm.

The day will conclude with dinner at the monthly business meeting, which usually ends around 9:00 PM.

Many OCA members will be seeking interns and co-op students in addition to full-time employees.

This program offers students an opportunity to view real-life applications of their classroom studies as well as the chance to meet potential employers.

For more information, please contact

Mindy Evans at (937) 222-8359 or
Darin Johnson at (937) 492-0027

Summer Institute on Advanced Computation

The Information Technology Research Institute (ITRI) together with the Ohio Supercomputer Center offered the "Third Annual Summer Institute on Advanced Computation," this year featuring *Bioinformatics and Data Mining*, August 27-30, 2001. Guest speakers from the National Biomedical Foundation, NIH, Celera Genomics, Kent State University, Ohio State University, Eli Lilly, Mantech, TIGR, as well as some of our own Wright State faculty gave presentations. Sixty-six practicing professionals, graduate students, faculty and IT personnel attended the three and a half day program. The Summer Institute has been well attended each year. ITRI hopes to continue this successful annual joint venture with the Ohio Supercomputer Center, each year featuring topics of current interest.

Posting Items in the Russ Engineering Center

Please remember the following guidelines regarding postings:

- No posting of announcements, pictures, signs, cartoons, etc. on lobby walls, hall walls, office doors or laboratory doors is allowed in the Russ Center.
- Faculty hours may be posted in the holder that is located outside of each faculty office door. Please do not hang signs, pictures, etc. below this holder.
- GTA/GRA hours may be posted in the holder that is located outside of each GTA are office or lab.
- Special meeting announcements may be approved for posting by the dean's office. Announcements will be placed on foam core boards on tripods in the lobby. Contact the dean's office for approval and placement arrangements.
- Laboratory door announcements, schedules, etc. may only be placed in the holders that are on the wall outside of each laboratory or 8 1/2 x 11 holders can be ordered and placed on the door by the sign shop. (To see one of these, look on the door of the Periodical Reading Room, 404 Russ, or on the door of the Club Room on the first floor.)
- Engineering clubs, student organizations may post announcements, signs, etc. inside the glass cases located in the hallway outside the Club Room on the first floor.

Russ Engineering Center Classrooms

- No beverages or food are allowed in the classrooms in the Russ Center.
 - Do not move chairs, tables, overheads, etc. from one classroom to another.
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Office of the Dean

3640 Colonel Glenn Hwy.
Dayton, OH 45435-0001
College of Engineering and Computer Science

